"<u>Make Five</u>"

A game about the chemical formulas of some common minerals

By definition, a mineral has a definite chemical composition. It's sort of like a recipe. This game is for students who want to (or need to!) learn the recipes for some common minerals.

You will need:

- copies of the pattern pages copied onto card stock
- scissors
- white glue (if you are assembling the paper dice)

Preparation:

1) Cut out the dice patterns and make into cubes. (Or, you could use three blank wooden cubes and write the letters on each side. Places like Wal-Mart sell wooden cubes in their craft sections. If you want to be able to store the game away in a cupboard without the dice being squashed, this would be the best option.)

2) Cut apart the 16 mineral cards.

How to play:

Place the mineral cards on the table, face up, so they form a 4 x 4 square. Each player will have a turn rolling all three dice at once. The goal is to roll the ingredients to form a mineral. (One roll of the three dice per player per turn.) For example, if the first player rolls: Cu, Fe, and S, he should notice that those are the ingredients of chalcopyrite. Therefore, that player picks up the chalcopyrite card. If the next player rolls Ca, C, and WILD, he could make the wild card into O, and be eligible to pick up calcite.

The first player to collect five cards wins the game.



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COPY ONTO WHITE CARD STOCK, CUT CARDS APART



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